



THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/672,442  
Applicant : ALADAHALLI, Chandankumar et al.  
Filed : 26 September 2003  
Title : Sensitivity Based Pattern Search Algorithm for Component Layout  
Art Unit : 2129  
Examiner : HIRL, Joseph  
Atty. Docket No. : PAT001050-001

Appl. No. : 11/254,842  
Applicant : ALADAHALLI, Chandankumar et al.  
Filed : 20 October 2005  
Title : Pattern Search Algorithm for Component Layout  
Art Unit : 2129  
Examiner : HIRL, Joseph  
Atty. Docket No. : PAT001050-003

**DECLARATION UNDER RULE 132**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

We, Chandankumar Aladahalli of Pittsburgh, PA, Kenji Shimada of Pittsburgh, PA, and Jonathan Cagan of Pittsburgh, PA (collectively the "Named Inventors"), state as follows:

1. The Named Inventors are the inventors named in the two above-identified patent applications.
2. The work disclosed in the above-identified patent applications was at all times a collaborative effort by the Named Inventors. Chandankumar Aladahalli was the primary researcher, and Kenji Shimada and Jonathan Cagan were his advisors. The Named Inventors met regularly, and each contributed to the subject matter disclosed and claimed in the above-identified applications.
3. The work disclosed in the Aladahalli Abstract "Using Geometric Sensitivity Analysis to Infer Timing Schedule of Move Sets for a Pattern Search Based 3D Layout Algorithm,"

recorded on the 2001 Bennett Schedule, was at all times a collaborative effort by the Named Inventors. Chandankumar Aladahalli was the primary researcher, and Kenji Shimada and Jonathan Cagan were his advisors. The Named Inventors met regularly, and each contributed to the subject matter disclosed in the Abstract appearing in the Bennett Schedule.

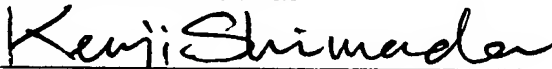
4. The Bennett Schedule was an internal document. The Bennett Schedule was prepared by someone other than the Named Inventors and names only the first advisor (Jonathan Cagan).

5. All published papers on the subject of these applications identifies the three Named Inventors as authors.


6. Chandankumar Aladahalli's contribution to the collaborative effort was considered sufficient to meet the university's requirements for the awarding of advanced degrees.

We hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that the statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of this application or any patent issued thereon.

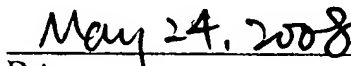
Chandankumar Aladahalli



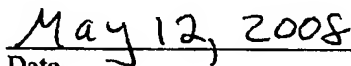
Kenji Shimada

  
Jonathan Cagan

Date



Date



Date